

FIG.1

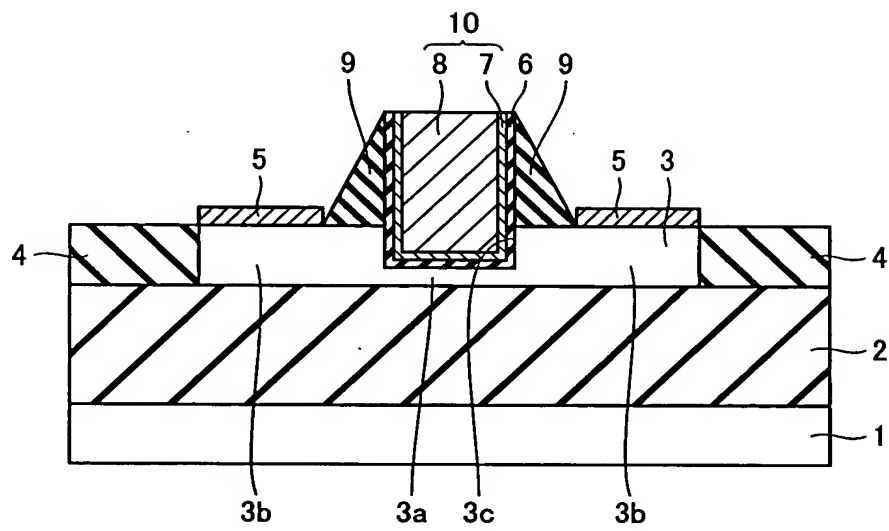


FIG.2

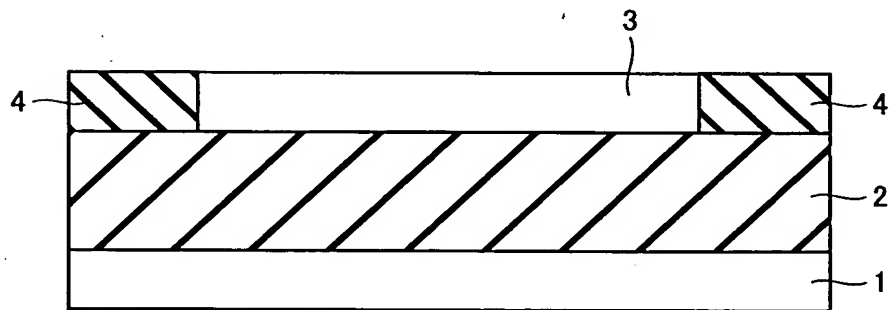


FIG.3

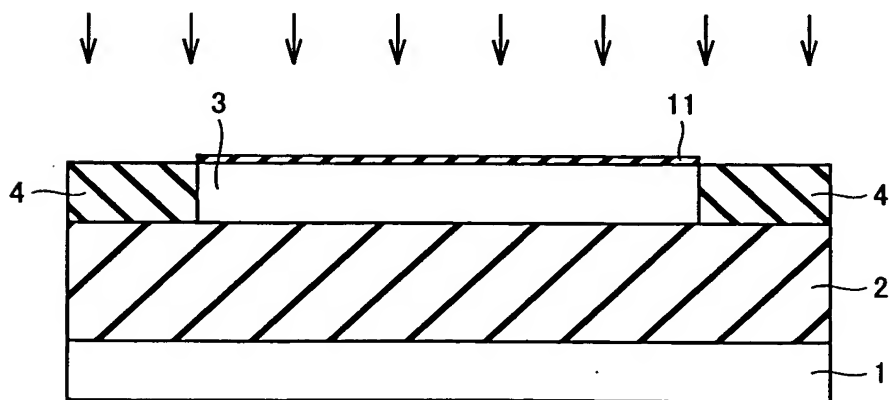


FIG.4

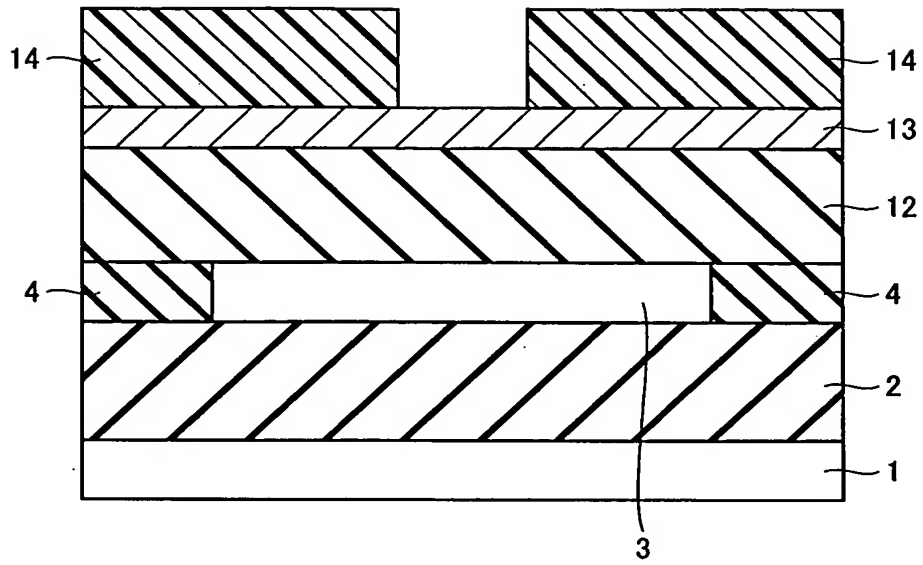


FIG.5

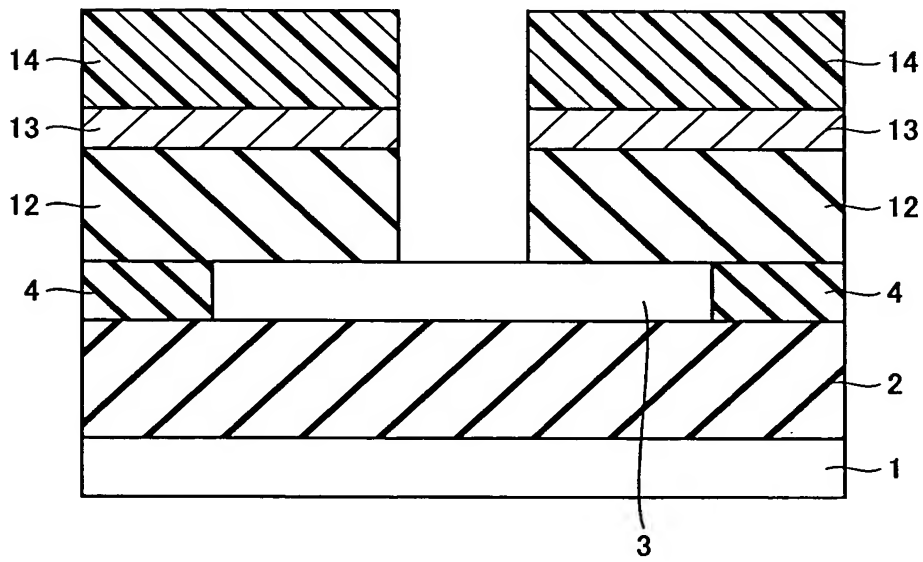


FIG.6

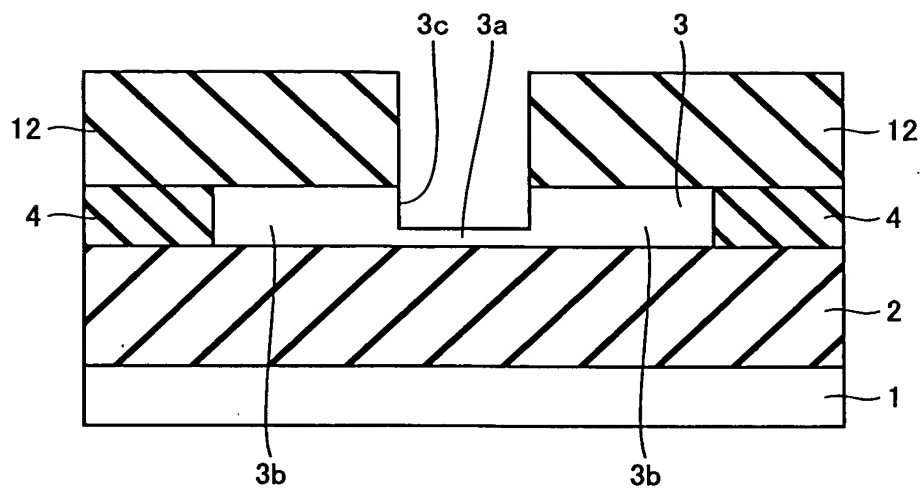


FIG.7

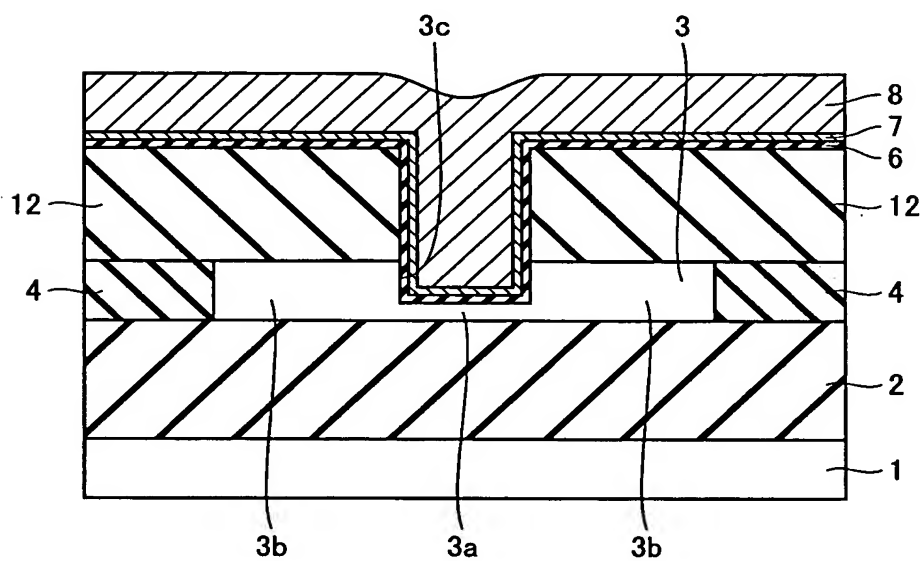


FIG.8

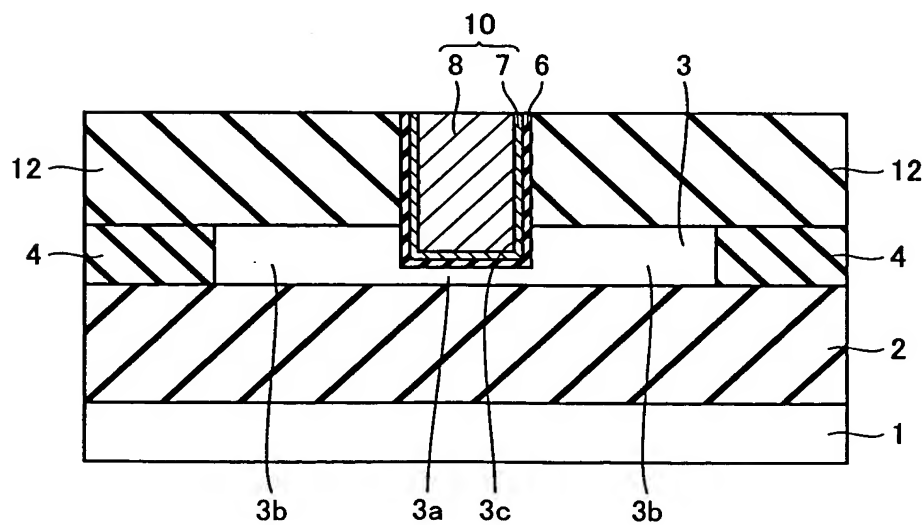


FIG.9

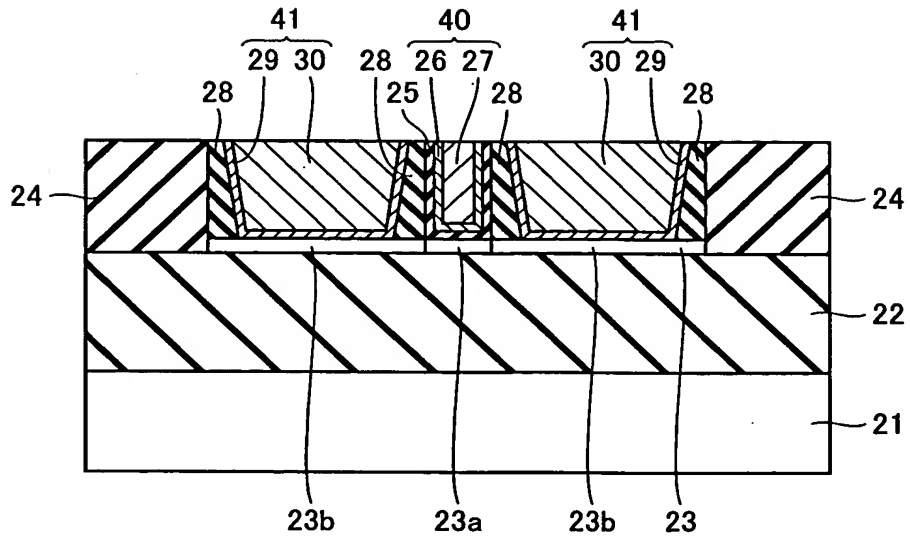


FIG.10

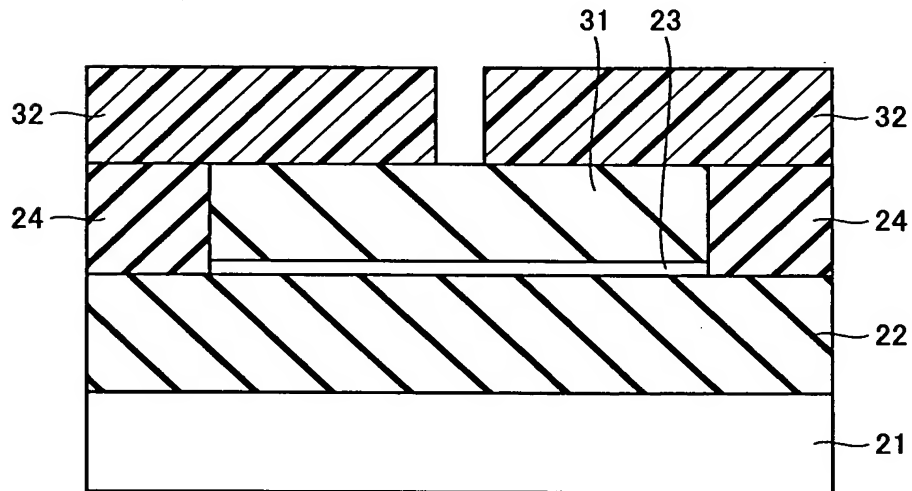


FIG.11

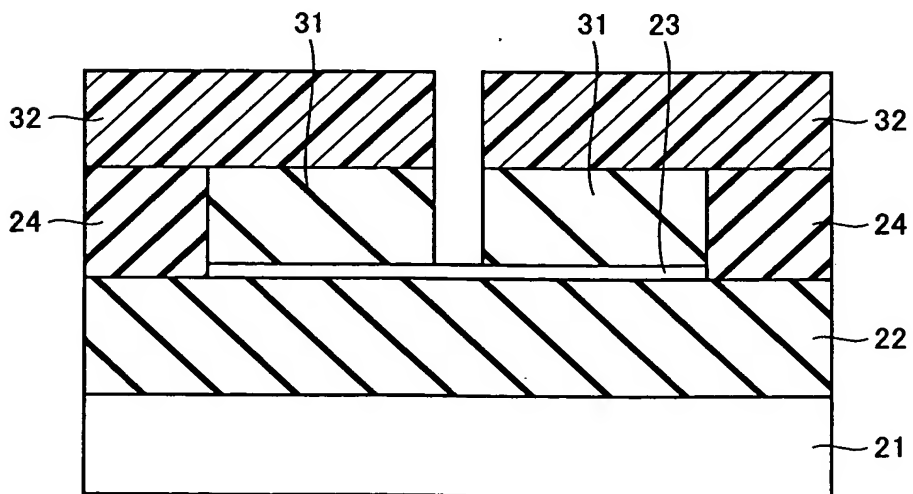


FIG.12

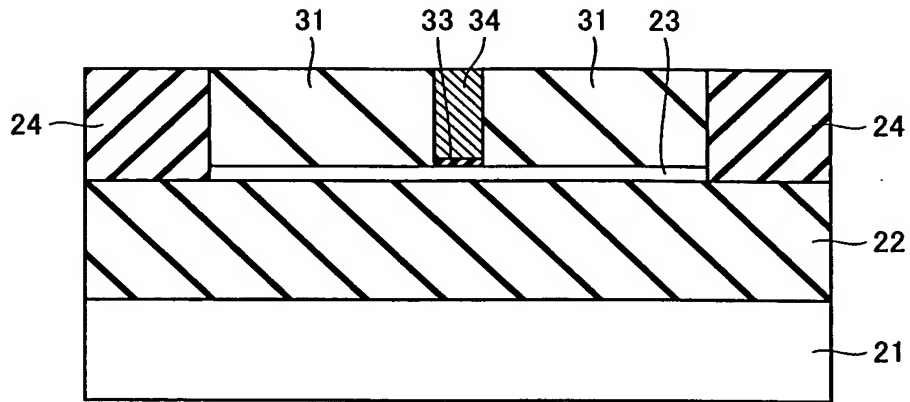


FIG.13

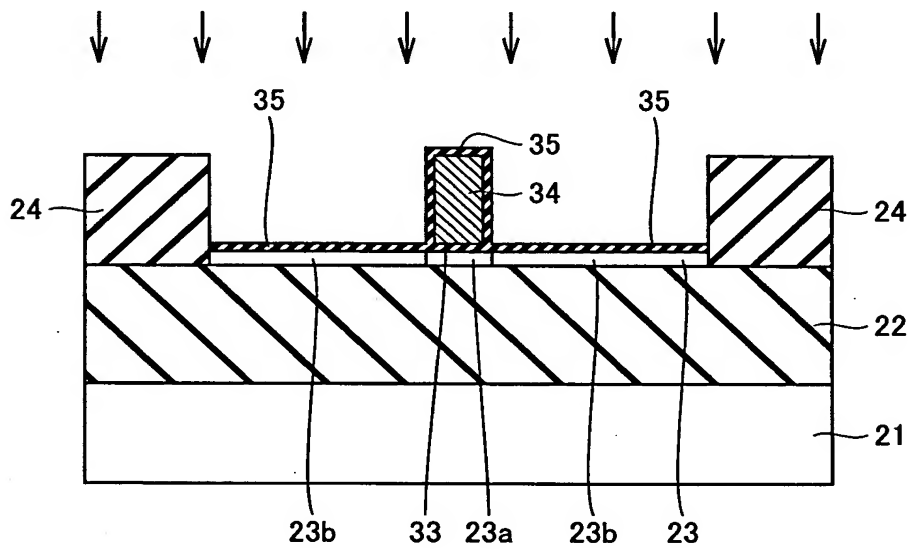


FIG.14

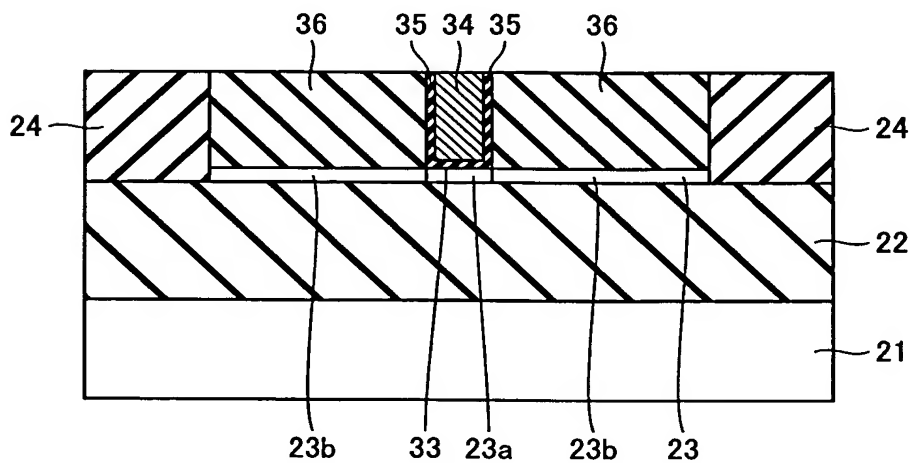


FIG.15

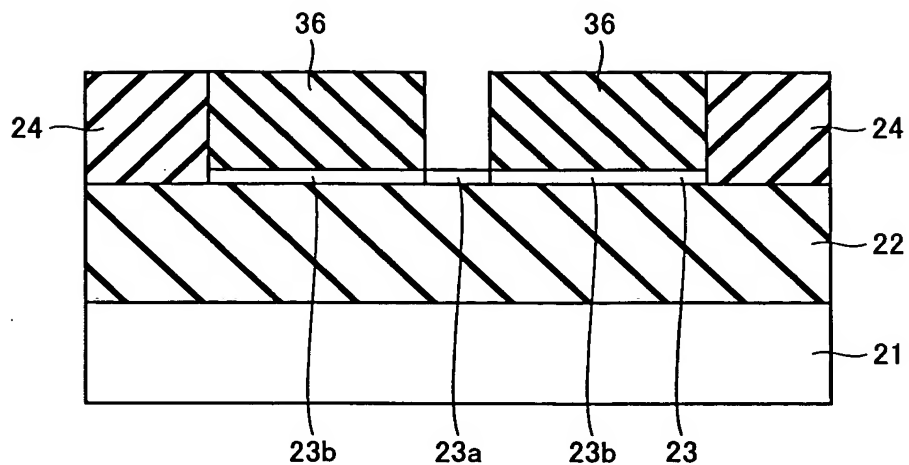


FIG.16

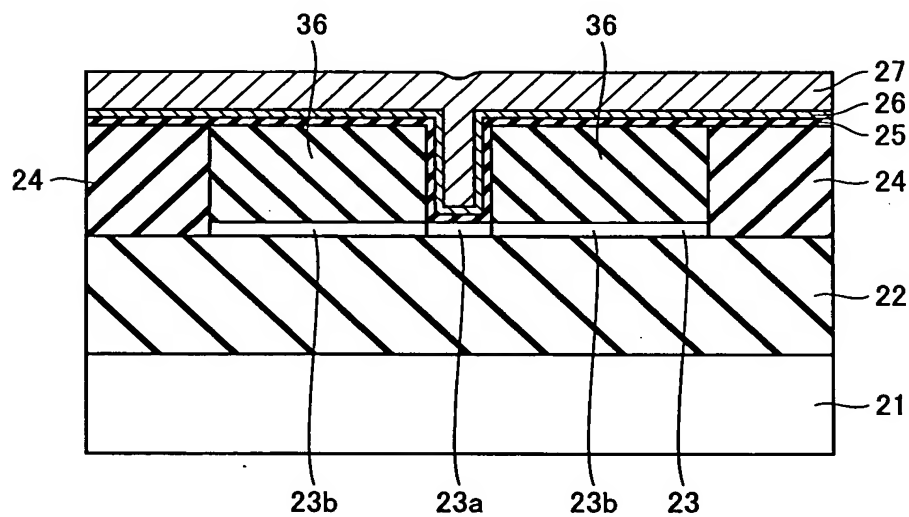


FIG.17

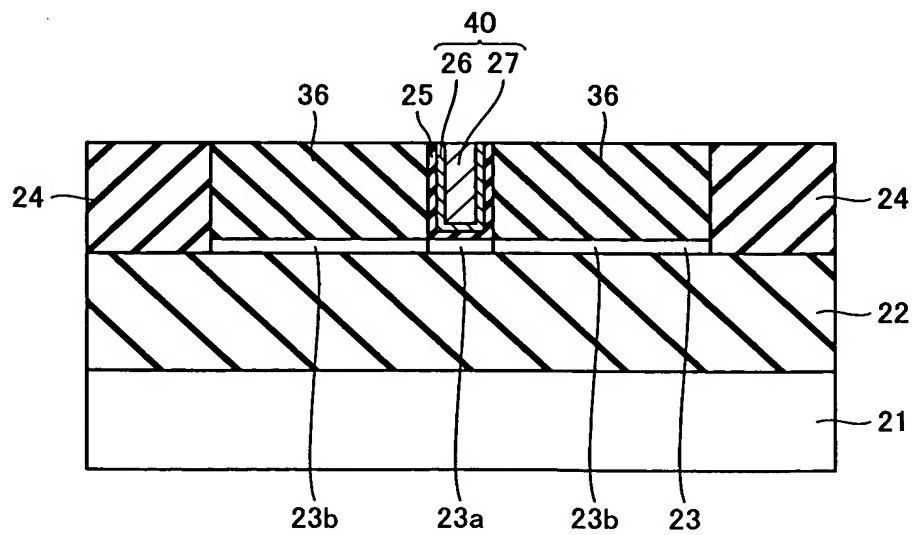


FIG.18

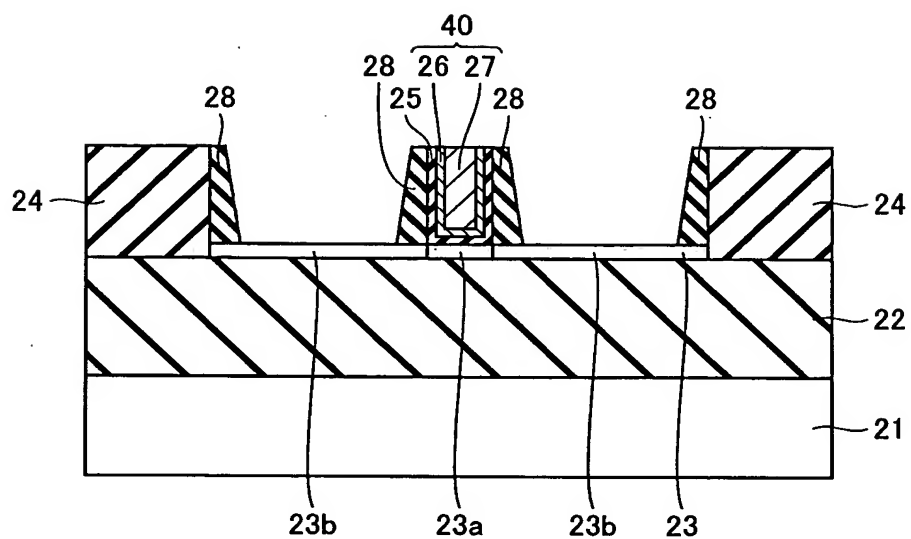
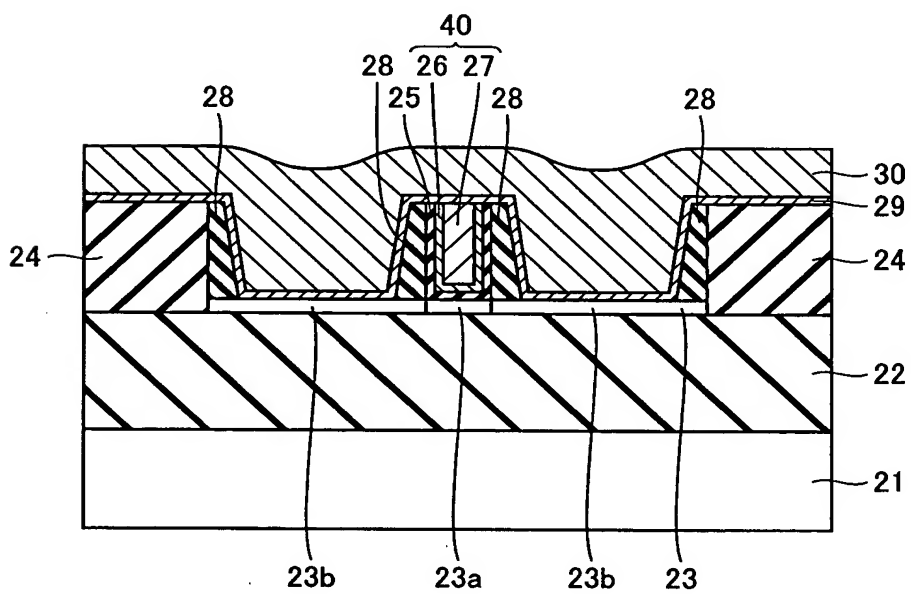


FIG.19



A cross-sectional view of a semiconductor device. The device consists of a substrate 51, a first layer 52, a second layer 53, and a third layer 53b. A top layer 64 is formed on the second layer 53, and a top layer 65 is formed on the third layer 53b. The top layer 65 is thicker than the top layer 64. Six downward arrows indicate a uniform pressure or force applied to the top surface of the device.



FIG.23

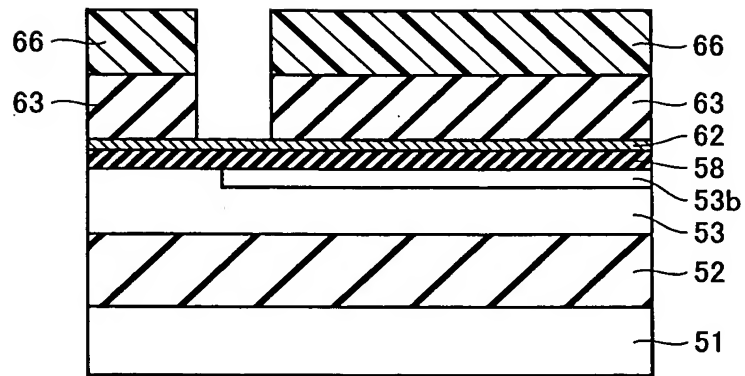


FIG.24

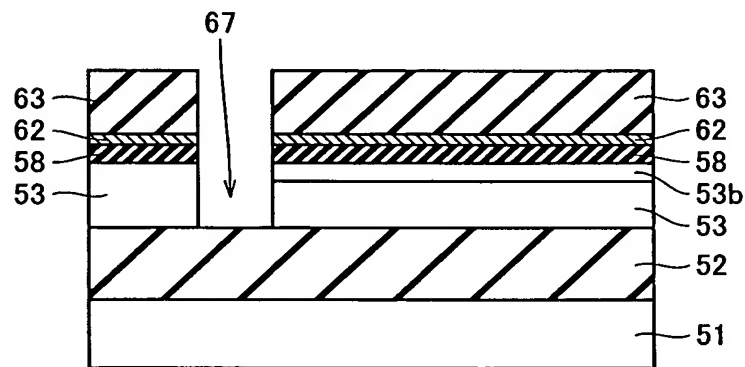


FIG.25

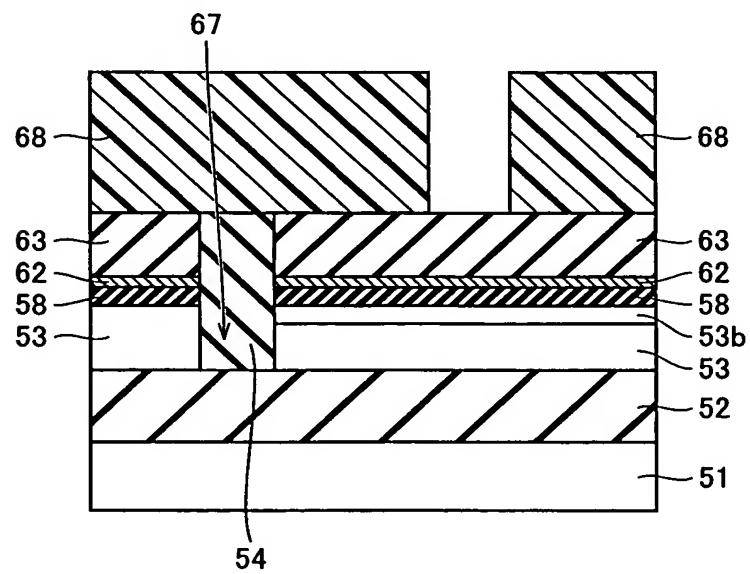


FIG.26

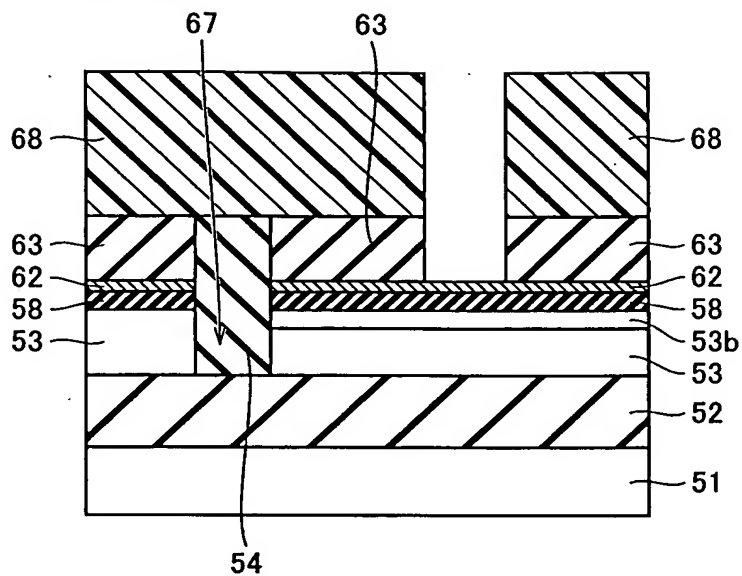


FIG.27

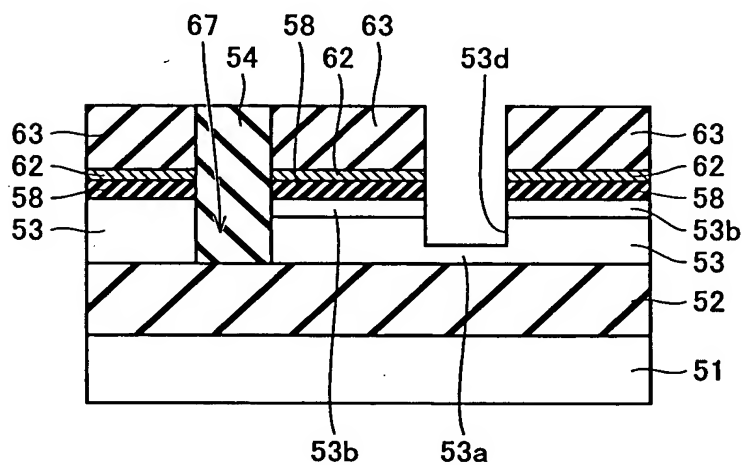


FIG.28

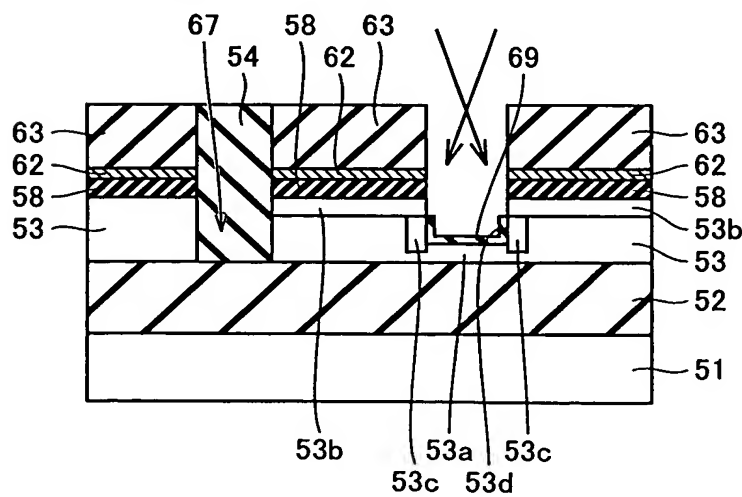


FIG.29

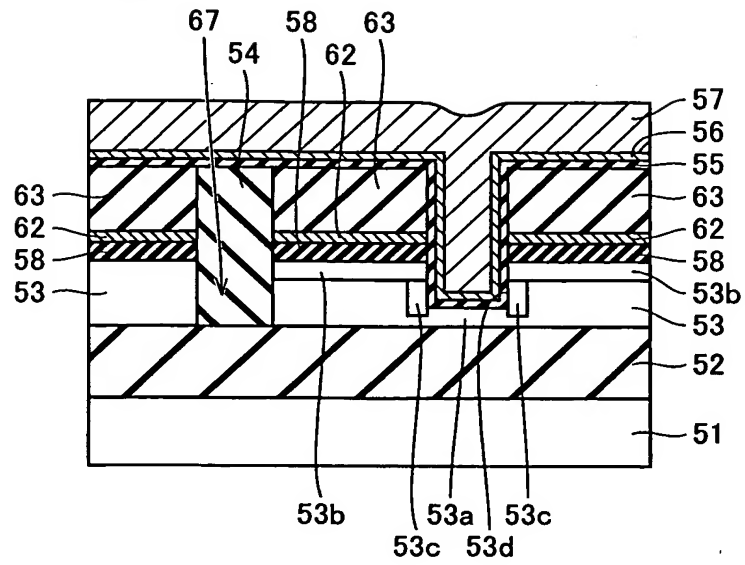
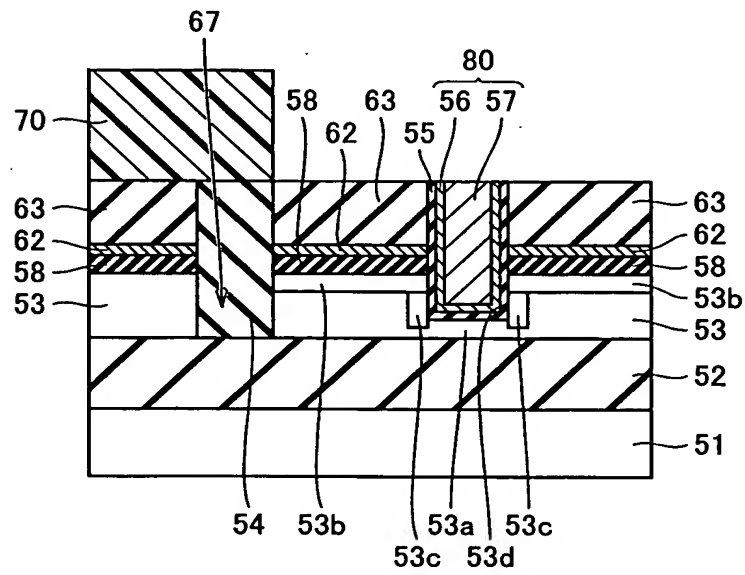


FIG.30



This cross-sectional view shows a substrate with several layers. From bottom to top, the layers are labeled 51, 52, 53, 53b, and 58. A central structure is formed on the substrate, consisting of a central core 55 surrounded by a layer 56, which is further enclosed by a layer 57. The top of this central structure is labeled 80. To the left of the central structure, there is a large block 70 with a vertical feature 67 extending from its top. Below block 70, there are layers 62 and 63. A layer 53 is also indicated on the left side of the central structure. The entire assembly is supported by a base layer 51.

This cross-sectional view shows a substrate (51) with a patterned layer (52) on top. A layer (53) is formed on the substrate, with a central opening (53a) and side openings (53b, 53c, 53d). A layer (58) is formed on the layer (53), and a layer (59) is formed on the layer (58). A layer (62) is formed on the layer (59), and a layer (63) is formed on the layer (62). A layer (67) is formed on the layer (63). A layer (80) is formed on the layer (67).

FIG.33

